



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone (800) 325-5832 (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

Product Information

Cat. No. F112

(+)-FENFLURAMINE HYDROCHLORIDE--DEA SCHEDULE IV

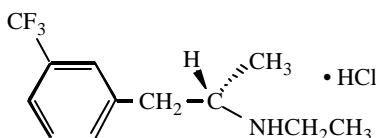
Serotonin uptake inhibitor; anorexic.

Mol. Formula: C₁₂H₁₆F₃NHCl

Mol. Wt.: 267.72 (anhyd.)

m.p.: 158-159°C

CAS Registry No.: 3239-44-9



Chemical Name: S(+)-N-Ethyl-α-methyl-3-(trifluoromethyl)-benzeneethanamine hydrochloride

Physical Properties: White solid. $[\alpha]_D^{22} = +8.3^\circ$ (c = 2.83, H₂O)

Caution: This substance should be handled with care. Precautions should be taken to avoid contact by all routes of exposure. RTECS No. SH6825000.

Storage: Store tightly sealed at room temperature.

Solubility: Soluble in water or alcohol.

Disposal: Dissolve or mix the compound with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. This product is controlled by the Drug Enforcement Administration. Appropriate security must be maintained until the substance is destroyed. Records must be kept which detail the ultimate disposition of the material.

References:

1. *Merck Index 12th Ed.*, No. 4015.
2. Pinder et al. *Drugs* **10**, 241-323 (1975).
3. Crunelli, V., Bernasconi, S., Samanin, R. "Effects of d- and l-fenfluramine on striatal homovanillic acid concentration in rats after pharmacological manipulation of brain serotonin." *Pharmacol. Res. Commun.* **12**, 215-223 (1980).
4. Mennini, T., Borroni, E., Samanin, R., Garattini, S. "Evidence of the existence of two different intraneuronal pools from which pharmacological agents can release serotonin." *Neurochem Int.* **3**, 289-294, (1981).
5. Silverstone, T., Goodall, E. "Recent studies in the clinical pharmacology of anorectic drugs." *Recent Adv. Obes. Res.*, 5th, 285-9, (Vol. Date - 1986).
6. Ivernizzi, R., Bertorelli, R., Consolo, S., Garattini, S., Samanin, R. "Effects of the l isomer of fenfluramine on dopamine mechanisms in rat brain: further studies." *Eur J. Pharmacol.* **164**, 241-248 (1989).
7. Scuvée-Moreau, J., Dresse, A. "Influence of fenfluramine and norfenfluramine stereoisomers on the firing rate of central monoaminergic neurons in the rat." *Eur. J. Pharmacol.* **179**, 211-215 (1990).
8. Kalia, M. "Reversible, short-lasting, and dose-dependent effect of (+)-fenfluramine on neocortical serotonergic axons." *Brain Res.* **548**, 111-125 (1991).

CONTROLLED SUBSTANCE - DEA LICENSE REQUIRED (IV)

Rev. 6/97

Sigma-RBI brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply.

Please see reverse side of the invoice or packing slip.